

Bio-Imaging and Visualization for Patient-Customized Simulations - João Manuel R. S. Tavares, Xiongbiao Luo, Shuo Li - 2016 - Springer International Publishing, 2016 - 9783319380872 - 137 pages

This book contains the full papers presented at the MICCAI 2013 workshop Bio-Imaging and Visualization for Patient-Customized Simulations (MWBIVPCS 2013). MWBIVPCS 2013 brought together researchers representing several fields, such as Biomechanics, Engineering, Medicine, Mathematics, Physics and Statistic. The contributions included in this book present and discuss new trends in those fields, using several methods and techniques, including the finite element method, similarity metrics, optimization processes, graphs, hidden Markov models, sensor calibration, fuzzy logic, data mining, cellular This book contains the full papers presented at the MICCAI 2013 workshop Bio-Imaging and Visualization for Patient-Customized Simulations (MWBIVPCS 2013). MWBIVPCS 2013 brought together researchers representing several fields, such as Biomechanics, Engineering, Medicine, Mathematics, Physics and Statistic. Computational Bioimaging and Visualization Computational Biology in Biomedical Imaging Development of Biomechanical Devices Device and Technique Development for Biomedical Imaging Experimental Biomechanics Gait & Posture Mechanics Grid and High Performance Computing for Computational Vision and Biomechanics Image Processing and Analysis Image Processing and Visualization in Biofluids Image Understanding Bio-Imaging and Visualization for Patient-Customized Simulations (Lecture Notes in Computational Vision and Biomechanics Book 13). João Manuel R. S. Tavares. Kindle Edition. This book gathers selected, extended and revised contributions to the 16th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering, and the 4th Conference on Imaging and Visualization (CMBBE 2019), held on August 14-16, 2019, in New York City, USA. It reports on cutting-edge models and algorithms for studying various tissues and organs in normal and pathological conditions; innovative imaging and visualization techniques; and the latest diagnostic tools. Book Bio-Imaging and Visualization for Patient-Customized Simulations: 13 (Lecture Notes in Computational Vision and Biomechanics) has simple shape however you know: it has great and large function for you. You can appear the enormous world by wide open and read a e-book. So it is very wonderful. Mark Malek: The ability that you get from Bio-Imaging and Visualization for Patient-Customized Simulations: 13 (Lecture Notes in Computational Vision and Biomechanics) could be the more deep you digging the information that hide inside words the more you get interested in reading it. Lect Notes Comput Vision and Biomech - Bio-Imaging and Visualization for Patient-Customized Simulations. Vol. 13. Pp.: 127-37. SPIE - Medical Imaging. Visualization and Image-guided Procedures and Modeling. Vol. 7625 Pp. 762509-1-11. 2010.